

Human Methyl CpG Binding Protein 2 (MECP2) ELISA Kit | MECP2 elisa kit

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CATALOG #
AAA20688

REACTIVITY
Human

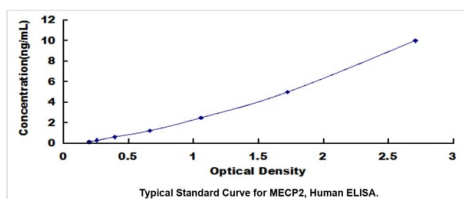
PRODUCT SYNONYMS

Methyl CpG Binding Protein 2 (MECP2); Human Methyl CpG Binding Protein 2 (MECP2) ELISA Kit; RTS; AUTSX3; MRX16; MRX79; PPMX; RTT; Rett Syndrome; Mental Retardation; X-linked 16; MECP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MECP2. No significant cross-reactivity or interference between MECP2 and analogues was observed.
Sequence Length	498
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.060ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MECP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MECP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MECP2 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MECP2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MECP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MECP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MECP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MECP2 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for MECP2 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	899296
NCBI GeneID	4204
UniProt Accession #	P51608; O15233; Q6QHH9; Q7Z384
Molecular Weight	53,323 Da
NCBI Official Full Name	methyl CpG binding protein 2, partial
NCBI Official Synonym Full Names	methyl CpG binding protein 2
NCBI Official Symbol	MECP2
NCBI Official Synonym Symbols	RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13
NCBI Protein Information	methyl-CpG-binding protein 2
UniProt Protein Name	Methyl-CpG-binding protein 2
UniProt Gene Name	MECP2
UniProt Synonym Gene Names	MeCp-2 protein; MeCp2
UniProt Entry Name	MECP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/methyl-cpg-binding-protein-2-mecp2/20688>